

PHILIP MORRIS USA  
RESEARCH AND DEVELOPMENT DEPARTMENT

ITALY TEST #163

MR4-06FI

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DATE: June 29, 1976

2001054440

### ITALY TEST #163

Marlboro long size cigarettes from Italy (Bologna) were received for testing on May 26, 1976. These cigarettes were of April, 1976 production.

The current sample was different from the previous average in tar and TPM.

#### MARLBORO LONG SIZE 20'S (BOX)

	<u>Current</u>	<u>Prev. Avg.</u>
<u>Smoke</u>		
Butt Length, mm	25	25
FTC Tar, mg/cigt.	18.6	20.4
TPM, mg/cigt.	24.0	25.7
Nicotine, mg/cigt.	1.11	1.16
Water, mg/cigt.	4.3	4.1
Puffs/cigt.	8.8	9.0
Filtration Eff., %	40	39
<u>Cigarette</u>		
Total RTD, in. of H <sub>2</sub> O	3.7	3.8
mm of H <sub>2</sub> O	94	97
Static Burn. Time, min.	7.3	7.6
Length, mm	79.9	80.0
Circumference, mm	25.0	25.0
Diameter, mm	8.0	8.0
<u>Paper</u>		
Porosity, sec.	16	14
<u>Filter</u>		
RTD, in. of H <sub>2</sub> O	2.1	2.1
mm of H <sub>2</sub> O	53	53
Length, mm	17.0	17.2
Weight, g	0.11	0.11
Tipping paper length, mm	21	21
<u>Filler</u>		
Total alkaloids, %	1.49	1.51
Total reducing sugars, %	6.8	6.6 <sup>2</sup>
Wt. of tob., 1,000 cigts., g	838	832
1,000 cigts., lbs.	1.8452	1.8309
Rod Density, g/cc	0.268	0.266
<sup>1</sup> C.V., cc/10 g	30	31
C.V., cc/10 g (Corrected to 12% O.V.)	37	36
<sup>1</sup> Oven Volatiles, %	14.4	13.8

<sup>1</sup>Equilibrated at 75°F and 60% R.H. for 48 hrs.

<sup>2</sup>Results of Test #163, dated May 26, 1976, where a change was noted.

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